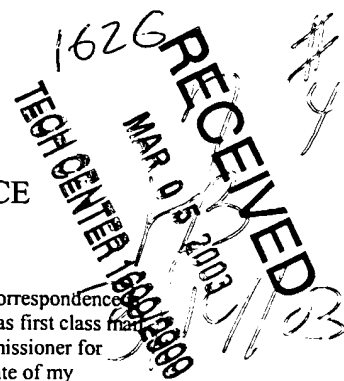




IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



In re

Patent Application of

Application No. 09/980,352

Filed: November 30, 2001

Examiner: Not Yet Assigned

"BIARYL COMPOUNDS"

I, Mary A. Kocaja, hereby certify that this correspondence being deposited with the US Postal Service as first class mail in an envelope addressed to Assistant Commissioner for Patents, Washington, D.C. 20231, on the date of my signature.

Mary A. Kocaja
Signature

2/27/03
Date of Signature

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT
PURSUANT TO 37 CFR §1.97(b)

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

The Examiner's attention is directed to the references which are listed on the attached Form PTO/SB/08A and/or PTO/SB/08B and copies of which are attached.

Citation of these references is respectfully requested.

No concession is made that these documents are prior art, and Applicant expressly reserves the right to antedate the documents as may be appropriate.

Respectfully submitted,

Gregory J. Hartwig
Gregory J. Hartwig
Reg. No. 46,761

File No. 092271-9010-00

Michael Best & Friedrich LLP
100 East Wisconsin Avenue
Milwaukee, Wisconsin 53202-4108

(414) 271-6560

Substitute Form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT MAR 03 2003 (use as many sheets as necessary)			Complete if Known	
Sheet 1 of 2			Application Number	09/980,352
			Filing Date	November 30, 2001
			First Name Inventor	Youngquist
			Group Art Unit	
			Examiner Name	Not Yet Assigned
			Attorney Docket Number	092271-9010-00

U.S. PATENT DOCUMENTS

Examiner Initials	U.S. Patent Document Number	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document
	4,711,855	Feinberg	12/8/1987
	5,401,772	Yokoyama	3/28/1995
	5,569,674	Yokoyama et al.	10/29/1996
	5,654,468	Yokoyama et al.	8/5/1997
	5,807,820	Elias	9/15/1998
	5,883,294	Scanlan et al.	3/16/1999
	6,174,925	Bailey, et al.	1/16/2001
	6,221,911	Lavin et al.	4/24/2001

FOREIGN PATENT DOCUMENTS

Examiner Initials	Country Code	Foreign Patent Document Number	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document
	DE	1617477	Fisher, et al.	1/8/1970
	GB	859546	Hellbaum	10/11/1968
	FR	2755965	Galderma	5/22/1998
	JP	61165311	Kinji Takeo	7/26/1986
	EP	0749752		12/27/1996
	WO	0000468	University of Calif.	1/6/2000
	EP	0123528	Mortimer	09/09/1987

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Application Number	09/980,352
Filing Date	11-30-2001
First Named Inventor	
Group Art Unit	1614
Examiner Name	
Attorney Docket Number	092271-9010

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Sheet	1	of	1
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Attorney Docket Number	092271-9010
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OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	09/980,352
		Filing Date	11-30-2001
		First Name Inventor	
		Group Art Unit	
		Examiner Name	Not Yet Assigned
Sheet 1 of 13		Attorney Docket Number	092271-9010

U.S. PATENT DOCUMENTS

Examiner Initials	U.S. Patent Document Number	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document
	5,773,663	Rehing, et al.	6/30/1998
	5,580,722	Liechtfried, et al.	12/3/1996
	3,530,146	Newman, et al.	9/22/1970
	3,616,237	Newman, et al.	10/26/1971
	4,323,691	Ours, et al.	4/6/1982
	4,425,404	Suzuki, et al.	1/10/1984
	4,683,241	Miyano, et al.	7/28/1987

FOREIGN PATENT DOCUMENTS

Examiner Initials	Country Code	Foreign Patent Document Number	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document
	WO	9857919	University of California	12/23/1998
	WO	9420062	Ballas, et al.	9/15/1994
	JP	2300148	Tanabe Seiyaku	12/12/1990
	EP	0379935	Tanabe Seiyaku	8/1/1990
	EP	0371484	Tanabe Seiyaku	6/6/1990
	AT	388372	Tanabe Seiyaku	6/12/1989
	JP	63146845	Tanabe Seiyaku	6/18/1988
	EP	251315	Tanabe Seiyaku	1/7/1988
	EP	188248	Tanabe Seiyaku	7/23/1986
	WO	9857919	University of California	12/23/1998
	JP	10158382	Asahi Chem. Ind.	6/16/1998
	JP	10133427	Fuji Xerox Co.	5/22/1998
	EP	810281	Interlab Corp.	12/3/1997
	WO	9707790	Interlab Corp.	3/6/1997
	JP	8267922	Nippon Paper	10/15/1996
	JP	8267932	Nippon Paper Ind.	10/15/1996
	JP	8277243	American Cyanamid	10/22/1996

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	JP	8092082	Kirin Brewery	4/9/1996
	DE	4405469	Ciba-Geigy	8/24/1995
	WO	9420062	Ballas, et al.	9/15/1994
	JP	7149614	Shiseido Co.	6/13/1995
	JP	6172340	Nippon Mektron	6/21/1994
	JP	4368379	Nat Science	12/21/1992
	JP	04368379	Tokyo Shib.	12/21/1992
	DE	4214313		11/5/1992
	EP	498707	Oreal	8/12/1992
	WO	9212635	Oncogene Sci. Inc.	8/6/1992
	JP	4052646	Mitsubishi Kasei	2/20/1992
	EP	0454165	Hitachi Ltd.	10/30/1991
	WO	9101379	Oncogene Sci.	2/7/1991
	PL	138940	University of Mikoloja	11/29/1986
	EP	0360701	Rhone Poulenc	3/28/1990
	JP	63279246	Nippon Zeon Co.	11/16/1988
	EP	243956	Aschi Chem.	11/4/1987
	JP	62150245	Japan Synthetic	7/4/1987
	CA	1179269	Rosenbaum	12/11/1984
	FR	2543434	Muller	10/5/1984
	JP	59041343	Chisso KK	3/7/1984
	PL	119115	University of Mikoloja	11/30/1981
	EP	51023	Socieke de Rech	5/5/1982
	DE	2014514	Merck	10/8/1970

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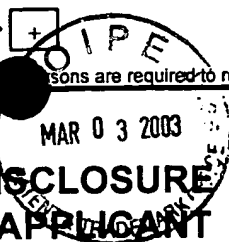
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Sheet 3 of 13

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Application Number	09/980,352
Filing Date	11-30-2001
First Named Inventor	
Group Art Unit	
Examiner Name	Not Yet Assigned
Attorney Docket Number	092271-9010

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		YOSHIHARA, et al., Bioorg. Med. Chem. (1998), pp. 1179-1183, 6 (8).	
		CHIELLINI, et al., Chem. Biol. (1998), pp. 299-306, 5 (6).	
		JI, et al., Yaouxue Xuebao (1998), pp. 72-74, 33 (1).	
		KRUMM, et al., Inorg. Chem. (1997), pp. 5222-5230, 36 (23).	
		KURODA, et al., Chem. Pharm. Bull, (1997), PP. 678-684, 45 (4).	
		KURODA, et al., J. Org. Chem. (1996), pp. 9560-9563, 61 (26).	
		IWASAKI, et al., Chem. Pharm. Bull. (1995), pp. 1701-5, 43 (10).	
		YASUDA, et al., Mokuzai Gakkaishi (1986), pp. 51-8, 32 (1).	
		KEAY, et al., Can. J. Chem. (1983), pp. 1987-95, 61 (9).	
		BOGOSLOVSKII, et al., Org. Khim. (1976), pp. 39-43. Gor'kogo, Perm. USSR.	
		LAPKIN, et al., Zh. Org. Khim. (1972), pp. 292-3, 8 (2).	

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Sheet 4 of 13

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Application Number	09/980,352
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Group Art Unit	
Examiner Name	Not Yet Assigned
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		VASILEVSKAYA, et al., Zh. Org. Khim. (1970), pp. 126-32, 6 (1).	
		YOSHIHARA, et al., Bioorg. Med. Chem. (1998), pp. 1179-1183, 6 (8).	
		DEMBRI, et al., Mol. Cell. Endocrinol. (1984), pp. 223-32, 37 (2).	
		CODY, et al., Acta Crystallogr., Sect. B (1982), pp. 2270-2, B38 (8).	
		ITO, et al., Chem. Pharm. Bull. (1997), pp. 1403-1413, 45 (9).	
		MERCER, et al., Polymer (1997), pp. 1989-1995, 38 (8).	
		GOODWIN, et al., Macromolecules (1997), pp. 2767-2774, 30 (9).	
		KRUMM, et al., Inorg. Chem. (1997), pp. 366-381, 36 (3).	
		NISHIDA, et al., Inorg. Chem. (1995), pp. 6085-92, 34 (24).	
		VERMA, et al., Nat. Prod. Lett. (1994), pp. 105-10, 5 (2).	
		MEHTA, et al., Tetrahedron (1994), pp. 11729-42, 50 (40).	

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Sheet 5 of 13

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Application Number	09/980,352
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First Named Inventor	
Group Art Unit	
Examiner Name	Not Yet Assigned
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		FLETCHER, et al., Organohalogen Compd. (1993), 12 (Dioxin '93, 13th International Symposium on Chlorinated Dioxins and Related Compounds, 1993), pp. 103-6.	
		MINAMI, et al., Phytochemistry (1994), pp. 501-6, 36 (2).	
		LIN, et al., J. Pharm. Sci. (1992), pp. 1109-12, 81 (11).	
		SINGH, et al., Pol. J. Chem. (1992), pp. 469-75, 66 (3).	
		ELIX, et al., Aust. J. Chem. (1991), pp. 1157-62, 44 (8).	
		ELIX, et al., Aust. J. Chem. (1990), pp. 1591-5, 43 (9).	
		ELIX, et al., Aust. J. Chem. (1990), pp. 1291-5, 43 (7).	
		HORNE, et al., J. Org. Chem. (1990), pp. 4520-2, 55 (15).	
		BIRKBECK, et al., Aust. J. Chem. (1990), pp. 419-25, 43 (2).	
		PULGARIN, et al., Helv Chim. Acta (1989) pp. 1061-5, 72 (5).	
		AURELL, et al., J. Nat. Prod. (1989), pp. 852-7, 52 (4).	

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Application Number	09/980,352
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		COMBER, et al., J. Chem. Soc., Perkin Trans. 1 (1989), pp. 441-8, (3).	
		SANT'ANA, et al., F.E.C.S. Int. Conf. Chem. Biotechnol. Biol. Act. Nat. Prod., [Proc.] 3rd (1987), Meeting Date 1985, Volume 4, pp. 363-6.	
		GIL, et al., J. Nat. Prod. (1988), pp. 339-43, 51 (2).	
		SANNICOLO, Gazz. Chim. Ital. (1985), pp. 91-5, 115 (2).	
		KELLMAN, et al., ACS Symp. Ser. (1987), 326 (Phase Transfer Catal.: New Chem., Catal., Appl.), pp. 128-42.	
		FUJII, et al., J. Biochem. (Tokyo) (1987), pp. 11-18, 101 (1).	
		ODA, et al., Chem. Pharm. Bull. (1986), pp. 858-63, 34 (2).	
		GUZINGER, et al., Helv. Chim. Acta (1985), pp. 1940-7, 68 (7).	
		AHLUWALIA, et al., Monatsh. Chem. (1985), pp. 869-72, 116 (6-7).	
		PULGARIN, et al., Helv. Chim. ACTA (1985), pp. 945-8, 68 (4).	
		PLATTNER, et al., Diuretics: Chem., Pharmacol., Clin. Appl., Proc. Int. Conf. Diuretics, 1st (1984), pp. 21-9.	

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Sheet 7 of 13

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Application Number	09/980,352
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Group Art Unit	
Examiner Name	Not Yet Assigned
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		TANAKA, et al., Chem. Pharm. Bull. (1984), pp. 2676-86, 32 (7).	
		DEMBRI, et al., Mol. Cell. Endocrinol (1984), pp. 223-32, 37 (2).	
		MAHANDRU, et al., J. Chem. Soc., Perkin Trans. 1 (1983), pp. 2249-51, (9).	
		MAHANDRU, et al., J. Chem. Soc., Perkin Trans. 1 (1983), pp. 413-16, (2).	
		RUMINSKI, Chem. Ber. (1983), pp. 970-9, 116 (3).	
		CODY, Acta Crystallogr, Sect. B (1982), B38(8), 2270-2.	
		SHAPIRO, et al., J. Protozool. (1982), pp. 85-90, 29 (1).	
		MALHOTRA, et al., Indian J. Chem., Sect. B (1982), pp. 107-8, 21B (2)	

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		BASLAS, et al., Acta Cienc. Indica, [Ser.] Chem. (1981), pp. 31-4, 7 (1-4).	
		SARGENT, J. Chem. Soc., Perkin Trans. 1 (1982), pp. 403-11, (2).	
		CULLEN, et al., Aust. J. Chem. (1981), pp. 2701-3, 34 (12).	
		FUJITA, et al., Phytochemistry (1981), pp. 2183-5, 20 (9).	
		CORREA, et al., Phytochemistry (1981), pp. 305-7, 20 (2).	
		MCEWEN, et al., J. Chem. Soc., Perkin Trans. 1 (1981), pp. 883-6, (3).	
		SALA, et al., J. Chem. Soc., Perkin Trans. 1 (1981), pp. 887-82, (3).	
		FINLAY-JONES, et al., J. Chem. Soc., Perkin Trans. 1 (1981), pp. 874-6, (3).	
		SALA, et al., J. Chem. Soc., Perkin Trans. 1 (1981), pp. 855-69, (3).	
		COTTERILL, et al., J. Chem. Soc., Perkin Transd. 1 (1980), pp. 2353-7, (11).	

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		DANILENKO, et al., Izv. Akad. Nauk SSSR, Ser. Khim. (1980), pp. 1606-11, (7).	
		FUJITA, et al., Chem. Pharm. Bull. (1980), pp.2482-6, 28 (8).	
		FITZPATRICK, et al., J. Chem. Soc., Perkin Trans. 1 (1980), pp. 85-9, (1).	
		SUNDHOLM, Acta Chem. Scand., Ser. B (1979), pp. 475-82, B33 (7).	
		SATO, et al., Symp. Pap. - IUPAC Int. Symp. Chem. Nat. Prod., 11th (1978), Volume 1, pp.175-8.	
		ANDREEV, et al., Izv. Sib. Otd. Akad. Nauk SSR, Ser. Tekh. Nauk (1979), pp. 124-9, (2).	
		BASLAS, et al., Curr. Sci. (1979, pp. 814-15, 48 (18).	
		ZHARKOVA, et al., Rev. Phys. Appl. (1979), pp. 555-8, 14 (4).	
		AVNIR, et al., J. Chem. Soc., Chem. Commun. (1978), pp. 1109-10, (24).	
		SALA, et al., J. Chem. Soc., Chem. Commun. (1978), pp. 1043-4, (23).	
		FERINGA, et al., Bioorg. Chem. (1978), pp. 397-498, 7 (4).	

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Sheet 10 of 13

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Application Number	09/980,352
Filing Date	11-30-2001
First Named Inventor	
Group Art Unit	
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		SATO, et al., Tennen Yuki Kagobutsu Toronkai Koen Yoshishu, 21st (1978), pp.152-8; Publisher Hokkaido Daizku, Sapporo, Japan.	
		SUNDHOLM, Tetrahedron (1978), pp. 577-86 34 (5).	
		PRASHAD, et al., Indian J. Chem., Sect. B (1978), pp. 142-3, 16B (2).	
		SATO, et al., J. Chem. Soc., Chem. Commun. (1978), pp. 135-6, (3).	
		FERINGA, et al., Tetrahedron Lett. (1977), pp. 4447-50, (50).	
		DJURA, et al., J. Chem. Soc., Perkin Trans. 1 (1978), pp. 395-400, (4).	
		BROADHURST, et al., J. Chem. Soc., Perkin Trans. 1 (1977), pp. 2502-12, (22).	
		FUJITA, et al., Tetrahedron Lett. (1977), pp. 4503-6, (51).	
		SCHWEPPE, Mikrochim. Acta (1977), pp. 583-96, 2 (5-6).	
		UEDA, et al., Bull. Chem. Soc. Jpn. (1977), pp. 193-6, 50 (1).	
		SARGENT, et al., Aust. J. Chem. (1976), pp. 2263-9, 29 (10).	

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Sheet

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Application Number	09/980,352
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		HARRIS, J. Am. Chem. Soc. (1976), pp. 5380-6, 98 (17).	
		SARGENT, et al., Aust. J. Chem. (1976), pp. 907-14, 29 (4).	
		CHEVOLOT-MAGUEUR et al., Phytochemistry (1976), pp. 767-71, 15 (5).	
		HOLLOWAY, et al., Phytochemistry (1975), pp. 2517-18, 14 (11).	
		OWEN, et al., J. Chem. Soc., Perkin Trans. 1 (1975) pp. 1380-6, (14).	
		KROELLER, Mitteilungsbl. GDCH-Fachgruppe Lebensmittelchem. Gerichtl. Chem. (1975), pp. 181-2, 29 (5).	
		GHOSAL, et al., J. Chem. Soc., Perkin Trans. 1 (1974), pp. 2538-41, (22).	
		HASSALL, et al., J. Chem. Soc., Perkin Trans. 1 (1973), pp. 2853-61, (23).	
		SARGENT, Can. J. Chem. (1973), pp. 4088-9, 51 (24).	
		QUILLINAN, et al., J. Chem. Soc., Perkin Trans. 1 (1973), pp. 1329-37, (13).	
		HENDRICKSON, et al., J. Amer. Chem. Soc. (1972), pp. 6834-43, 94 (19).	

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		KOCH, Angew. Makromol. Chem. (1971), pp. 21-33, 20.	
		ISAKA, et al. Yakugaku Zasshi (1971), pp. 1027-9, 91 (9).	
		LUBENETS, et al., Zh. Org. Khim. (1971), pp. 805-12, 7 (4).	
		NEWMAN, J. Heterocycl. Chem. (1970), pp. 957-8, 7 (4).	
		LUBENETS, et al., Zh. Org. Khim. (1970), pp. 365-8, 6 (2).	
		SARGENT, et al., J. Chem. Soc. C (1969), pp. 2763-7, (19).	
		FINDLAY, et al., J. Chem. Soc. C (1969), pp. 2761-2, (19).	
		NEWMAN, J. Org. Chem. (1969), pp. 1463-5, 34 (5).	

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		LAUER, et al., Chem. Ber. (1969), pp. 1631-40, 102 (5).	
		KAMIKURA, Shokuhin Eiseigaku Zasshi (1968), pp. 348-57, 9 (5).	
		ATKINSON, et al., J. Chem. Soc. C (1969), pp. 281-7, (2).	
		CHAMBERS, et al., Tetrahedron (1969), pp. 565-72, 25 (3).	
		SEGAL, et al., J. Pharm. Sci. (1968), pp. 874-6, 57 (5).	
		SEIKEL, et al., Tetrahedron (1968), pp. 1475-88, 24 (3).	
		ISAKA, et al., Yakugaku Zasshi (1967), pp. 1288-9, 87 (10).	
		OKUDA, et al., Yakugaku Zasshi (1967), pp. 1003-5, 87 (8).	
		LOCKSLEY, et al., Tetrahedron (1967), pp. 2229-34, 23 (5).	
		BROWN, Bull. Natl. Inst. Sci. India (1965), No. 31, pp. 167-78.	

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